

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL		1. WELL NAME and NUMBER NBU 1022-9L2DS
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		3. FIELD OR WILDCAT NATURAL BUTTES
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME NATURAL BUTTES
6. NAME OF OPERATOR KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. OPERATOR PHONE 720 929-6507
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217		9. OPERATOR E-MAIL mike.mcconaughey@anadarko.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU 01196-B	11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>		
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>	
19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>		

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2072 FSL 1360 FWL	NESW	9	10.0 S	22.0 E	S
Top of Uppermost Producing Zone	2020 FSL 412 FWL	NWSW	9	10.0 S	22.0 E	S
At Total Depth	2020 FSL 412 FWL	NWSW	9	10.0 S	22.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 412	23. NUMBER OF ACRES IN DRILLING UNIT 320
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 796	26. PROPOSED DEPTH MD: 10101 TVD: 9985
27. ELEVATION - GROUND LEVEL 5152	28. BOND NUMBER WYB000291	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8496


Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	11	8.625	0 - 2350	28.0	J-55 LT&C	0.2	Type V	180	1.15	15.8
							Class G	270	1.15	15.8
Prod	7.875	4.5	0 - 10101	11.6	HCP-110 LT&C	12.5	Class G	770	3.38	12.0
							Class G	1430	1.31	14.3

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Joel Malefyt	TITLE Regulatory Analyst	PHONE 720 929-6828
SIGNATURE	DATE 12/21/2015	EMAIL joel.malefyt@anadarko.com
API NUMBER ASSIGNED 43047555130000	APPROVAL  Permit Manager	

T10S, R22E, S.L.B.&M.

Found 1991
Aluminum Cap,
Pile of Stones &
Steel Post.
39.970740°N
109.454248°W

N89°55'W - 40.06 (G.L.O.)
N89°55'12"W - 2643.32' (Meas.)

39.970729°N
109.444819°W

S89°28'W - 40.13 (G.L.O.)
S89°26'56"W - 2648.56' (Meas.)

Found 1991
Aluminum Cap,
Pile of Stones.
39.970797°N
109.435372°W

N0°10'W - 40.09 (G.L.O.)
N00°09'22"W - 2646.11' (Meas.)

NBU 1022-9L2DS (Surface Position)
NAD 83 LATITUDE = 39.961926° (39° 57' 42.935"N)
LONGITUDE = 109.449368° (109° 26' 57.725"W)
NAD 27 LATITUDE = 39.961961° (39° 57' 43.059"N)
LONGITUDE = 109.448685° (109° 26' 55.266"W)

NBU 1022-9L2DS (Bottom Hole)
NAD 83 LATITUDE = 39.961773° (39° 57' 42.383"N)
LONGITUDE = 109.452748° (109° 27' 09.894"W)
NAD 27 LATITUDE = 39.961808° (39° 57' 42.507"N)
LONGITUDE = 109.452065° (109° 27' 07.433"W)

20.045' (G.L.O.)
N00°04'27"W - 2645.94' (Meas.)
N0°03'W - 40.09 (G.L.O.)

Found 1991
Aluminum Cap,
Pile of Stones
39.963478°N
109.454223°W

N0°09'W - 40.04 (G.L.O.)
2643.03' (Meas.)
N00°08'53"W (Basis of Bearings)

1360'
412'
Bottom of Hole
2020'

Well Surface Position

**WELL LOCATION:
NBU 1022-9L2DS**

ELEV. UNGRADED GROUND = 5152.1'

Found 1991
Aluminum Cap,
Pile of Stones.

39.963536°N
109.435363°W

N00°07'20"W - 2652.34' (Meas.)
N0°06'W - 40.18 (G.L.O.)

39.956225°N
109.454200°W
Found 1991
Aluminum Cap,
Pile of Stones,
Steel Fence Post

S89°45'50"W - 2644.60' (Meas.)
S89°47'W - 40.07 (G.L.O.)

Found 1991
Aluminum Cap,
Pile of Stones.

S89°57'44"W - 2642.22' (Meas.)
S89°57'W - 40.03 (G.L.O.)

39.956256°N
109.435346°W

Found 1991
Aluminum Cap,
Pile of Stones.

NOTES:

- ▲ = Section Corners Located
- Well footages are measured at right angles to the Section Lines. G.L.O. distances are shown in feet or chains.
- 1 chain = 66 feet.
- The Bottom of hole bears S86°37'15"W 949.37' from the Surface Position.
- NAD 83 Latitude & Longitude are (CORS 96)(EPOCH:2002).
- Bearings and Distances are based upon a Local Cartesian Grid, oriented to Geodetic North at the North 1/4 Corner of Section 8, T10S, R22E, S.L.B.&M. The Grid having a mean project height of 5300'. Lineal units used are U.S. Survey Foot.
- Basis of elevation is Tri-Sta "Two Water" located in Lot 4 of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

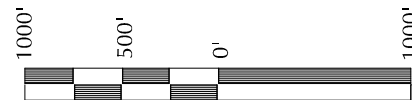
WELL PAD - NBU 1022-9K

**NBU 1022-9L2DS
WELL PLAT**

**2020' FSL, 412' FWL (Bottom Hole)
NW ¼ SW ¼ OF SECTION 9, T10S, R22E,
S.L.B.&M., UTAH COUNTY, UTAH.**



CONSULTING, LLC
1095 Saberton Ave.
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182



SCALE

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

7-21-15
No. 6028691
JOHN R. LAUGH
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 6-8-15	SURVEYED BY: A.F.	SHEET NO:
DATE DRAWN: 6-8-15	DRAWN BY: M.W.W.	8
SCALE: 1" = 1000'	Date Last Revised: 7-20-15 M.W.W.	8 OF 20